



**Resolute Forest Products – Catawba Mill**  
5300 Cureton Ferry Road  
Post Office Box 7  
Catawba, SC 29704-0007

FED EX NO. 8071 4221 5666

July 14, 2015

Technical Management Section  
South Carolina Department of Health and Environmental Control  
Bureau of Air Quality  
2600 Bull Street  
Columbia, SC 29201-1708

Re: 2015 Second Quarter CEM Report Summaries  
Air Permit Number TV-2440-0005

Dear Sir or Madam:

Enclosed are the 2015 Second Quarter Continuous Emission Monitor Report Summaries and Title V monitoring report for Resolute Forest Products – Catawba Mill, Air Permit Number TV-2440-0005. Logs detailing each specific incident are also enclosed.

Based on information and belief formed after reasonable inquiry, I certify to the best of my knowledge, that the statements and information in this submission are true, accurate, and complete.

If there are any questions, please feel free to contact Dale Herendeen at (803) 981-8009.

Sincerely,

Patrick Moore  
General Manager

PM/dlh  
File 208.17

Enclosures

cc: Steve Moseley, Region 3 Lancaster EQC Office

## 2015 Second Quarter CEM Report Summaries

### Title V Permit Unit ID 01 – Woodyard

Condition	Equip ID	Reporting Required?	Reporting Frequency	Comment
01.1	1300	N/A	N/A	Refers to FW.4
01.2	1300	N/A	N/A	Refers to FW.4
01.3	1300	No	N/A	Refers to FW.4
01.4	1300	N/A	N/A	Refers to FW.1

### Title V Permit ID 02 – Kraft Process – Kraft Pulp Mill

Condition	Equip ID	Reporting Required?	Reporting Frequency	Comment
02.1	5210, 5220, 5230, 5240, and 5250	No	N/A	N/A
02.2(A)	5210 & 5230	Yes	Semi-annual	See below.
02.2(B)	5210 & 5230	N/A	N/A	Refers to 08.7
02.3	5210, 5220, 5230, 5240, and 5250	N/A	N/A	Refers to MACT conditions
02.4	5210, 5220, 5230, 5240, and 5250	N/A	N/A	Refers to FW.1

**Condition 02.2(A)**  
**Equip IDs 5210 and 5230**

**Reporting Frequency: Semi-Annually**

There were no parameters outside the ranges listed in Attachment H for the scrubber (Control Device ID 5260C) during the second quarter.

## 2015 Second Quarter CEM Report Summaries

### Title V Permit ID 03 – Kraft Process: Kraft Bleach Plant

Condition	Equip ID	Reporting Required?	Reporting Frequency	Comment
03.1	5300	Yes	Semi-annual	See note below.
03.2	5300	N/A	N/A	Refers to MACT conditions
03.3	5300	N/A	N/A	Refers to FW.1

#### Condition 03.1 Equip ID 5300

**Reporting Frequency: Semi-Annually**

For the purposes of using this report as a cross reference when completing DHEC annual reporting form 3650, the following information is being included with this report pursuant to DHEC form 3650:

- The specific permit condition for which exceptions are being noted is 5.C.03.1.
- Exceptions descriptions are detailed on the enclosed logs along with dates and times.
- The basis for compliance determinations is continuous monitoring of specific scrubber parameters.
- Cause(s) and corrective action(s) are detailed on the enclosed logs.

There were no incidents during which a parameter was outside the maximum rate during the reporting period. See the enclosed log for details.

### Title V Permit ID 04 – Kraft Process: Chlorine Dioxide Generator

Condition	Equip ID	Reporting Required?	Reporting Frequency	Comment
04.1	1790	Yes	Semi-annual	See note below.
04.2	1790	No	N/A	N/A

#### Condition 04.1 Equip ID 1790

**Reporting Frequency: Semi-Annually**

There were no variations of surrogate monitoring parameters for the chlorine dioxide scrubber (Control Device ID 1790C) during the semi-annual reporting period.

### Title V Permit ID 05 – TMP Process

Condition	Equip ID	Reporting Required?	Reporting Frequency	Comment
05.1	4400	No	N/A	N/A
05.2	4400	No	N/A	N/A

## 2015 Second Quarter CEM Report Summaries

### Title V Permit ID 06 – Paper Mill

Condition	Equip ID	Reporting Required?	Reporting Frequency	Comment
06.1(A)	2000, 2005, 4100, 4110, 4600, 4605, 9700, 9701A, 9701B, 9702, 9703, & 9704	N/A	N/A	Refers to FW.4
06.1(B)	2000, 2005, 4100, 4110, 4600, 4605, 9700, 9701A, 9701B, 9702, 9703, & 9704	Yes	Semi-annual	See note below.
06.2(A)	2010, 4610, 4120, 4130, & 9900	No	N/A	N/A
06.2(B)	4120 & 4130	Yes	Semi-annual	See note below.
06.3(A)	2010	No	N/A	N/A
06.3(B)	4120 & 4130	Yes	Semi-annual	See note below.
06.3(C)	4610	Yes	Semi-annual	See note below.
06.3(D)	9900	Yes	Semi-annual	See note below.
06.4	4110	Yes	Semi-annual	See note below.
06.5(A)	2010	No	N/A	N/A
06.5(B)	4120 & 4130	Yes	Semi-annual	See note below.
06.5(C)	4610	Yes	Semi-annual	See note below.
06.5(D)	9900	Yes	Semi-annual	See note below.
06.6(A)	4610	Yes	Semi-annual	See note below.
06.6(B)	9900	Yes	Semi-annual	See note below.
06.7	4110	No	N/A	N/A
06.8	2010	No	N/A	N/A
06.9	2000, 2010, 2100, 4600, 4610, 4100, 4110, 4120, & 4130	N/A	N/A	Refers to FW.1
06.10	2005, 2010, 4605, & 4610	N/A	N/A	Refers to MACT conditions

#### Condition 06.1(B)

**Equip IDs 2000, 2005, 4100, 4110, 4600, 4605, 9700, 9701A, 9701B, 9702, 9703, & 9704**

**Reporting Frequency: Semi-Annually**

During the reporting period, no abnormal dust emissions were noted on daily inspection reports during the semi-annual period.

## 2015 Second Quarter CEM Report Summaries

### Condition 06.2(B) Equip IDs 4120 & 4130

Reporting Frequency: Semi-Annually

Kerosene was not utilized in the Hot Oil Heating System (4130); therefore, no visual inspections were performed during the reporting period. The Infrared Dryer (4120) was removed from service at the end of May 2013.

### Condition 06.3(B) Equip IDs 4120 & 4130

Reporting Frequency: Semi-Annually

The Infrared Dryer (4120) was removed from service at the end of May 2013. Monthly fuel usages of natural gas, kerosene, and propane for the Hot Oil Heating System (4130):

#### No. 3 Paper Machine Hot Oil Heater Fuel Usage (ID 4130)

Month	Natural Gas (MMBtu)	Propane (gallons)	Kerosene (gallons)
January-14	5,944	0	0
February-14	4,475	0	0
March-14	4,076	0	0
April-14	5,098	0	0
May-14	5,188	0	0
June-14	4,565	0	0
July-14	3,974	0	0
August-14	4,583	0	0
September-14	4,667	0	0
October-14	4,737	0	0
November-14	4,944	0	0
December-14	4,551	0	0
January-15	5,292	0	0
February-15	4,561	0	0
March-15	3,905	0	0
April-15	5,017	0	0
May-15	5,115	0	0
June-15	4,618	0	0

## 2015 Second Quarter CEM Report Summaries

**Condition 06.3(C)**  
**Equip ID 4610**

**Reporting Frequency: Semi-Annually**

Monthly fuel usages of kerosene and propane for the No. 2 Coater Dryer (4610) are shown below:

	Kerosene (gallons)	12-Month Sum	Propane (gallons)	12-Month Sum
January-14	85,459	87,985	0	0
February-14	23,902	110,495	0	0
March-14	0	109,361	0	0
April-14	0	109,361	0	0
May-14	0	109,361	0	0
June-14	0	109,361	0	0
July-14	0	109,361	0	0
August-14	0	109,361	0	0
September-14	0	109,361	0	0
October-14	0	109,361	0	0
November-14	6,695	116,056	0	0
December-14	0	116,056	0	0
January-15	0	30,597	0	0
February-15	18,669	25,364	0	0
March-15	0	25,364	0	0
April-15	0	25,364	0	0
May-15	0	25,364	0	0
June-15	0	25,364	0	0

**Condition 06.3(D)**  
**Equip ID 9900**

**Reporting Frequency: Semi-Annually**

Monthly fuel usages of natural gas and propane for the Paper Machine Make-Up Air Units (4610) are shown below:

	Natural Gas (scf)	12-Month Rolling Sum	Propane (gallons)	12-Month Rolling Sum
January-14	10,581,418	29,001,130	0	0
February-14	4,864,669	29,274,153	0	0
March-14	4,249,122	29,740,250	0	0
April-14	1,119,067	29,781,379	0	0
May-14	0	29,781,379	0	0
June-14	0	29,781,379	0	0
July-14	50	29,781,384	0	0
August-14	0	29,781,384	0	0
September-14	0	29,781,384	0	0
October-14	1,395,773	30,811,869	0	0
November-14	3,439,389	29,597,946	0	0
December-14	3,572,854	29,222,342	0	0
January-15	10,665,054	29,305,978	0	0
February-15	11,559,807	36,001,116	0	0
March-15	11,534,748	43,286,742	0	0
April-15	11,483,994	53,651,669	0	0
May-15	11,491,117	65,142,786	0	0
June-15	11,480,813	76,623,599	0	0

## 2015 Second Quarter CEM Report Summaries

### Condition 06.4 Equip ID 4110

Reporting Frequency: Semi-Annually

Monthly fuel usages of natural gas, kerosene, and propane for the Air Floatation Dryer (4110) are shown below:

#### No. 3 Paper Machine Floatation Dryer Fuel Usage ID 4110

Month	Natural Gas MMBtu	Propane (gallons)	Kerosene (gallons)	PM / MMBtu
January-14	10,475	0	0	0.0076
February-14	7,887	0	0	0.0076
March-14	7,183	0	0	0.0076
April-14	8,986	0	0	0.0076
May-14	9,142	0	0	0.0076
June-14	8,046	0	0	0.0076
July-14	7,004	0	0	0.0076
August-14	8,077	0	0	0.0076
September-14	8,225	0	0	0.0076
October-14	8,349	0	0	0.0076
November-14	8,713	0	0	0.0076
December-14	8,022	0	0	0.0076
January-15	9,326	0	0	0.0076
February-15	8,038	0	0	0.0076
March-15	6,883	0	0	0.0076
April-15	8,843	0	0	0.0076
May-15	9,015	0	0	0.0076
June-15	8,140	0	0	0.0076

The Air Floatation Dryer demonstrated compliance with the BACT limit of 0.0164 lb PM per million BTU.

### Condition 06.5(B) Equip IDs 4120 & 4130

Reporting Frequency: Semi-Annually

Monthly fuel usages of natural gas, kerosene, and propane for the Hot Oil Heating System (4130) are shown for condition 5C.06.3(B) above. The Infrared Dryer (4120) was removed from service at the end of May 2013.

### Condition 06.5(C) Equip ID 4610

Reporting Frequency: Semi-Annually

Monthly fuel usages of natural gas, kerosene, and propane for the No. 2 Coater Dryer (4610) are shown for condition 5C.06.3(C) above.

## 2015 Second Quarter CEM Report Summaries

### Condition 06.5(D) Equip ID 9900

**Reporting Frequency: Semi-Annually**

Monthly fuel usages of natural gas and propane for the Paper Machine Make Up Air Units (4610) are shown for condition 5C.06.3(D) above.

### Condition 06.6(A) Equip ID 4610

**Reporting Frequency: Semi-Annually**

Monthly fuel usages of natural gas, kerosene, and propane for the No. 2 Coater Dryer (4610) are shown for condition 5C.06.3(C) above.

### Condition 06.6(B) Equip ID 9900

**Reporting Frequency: Semi-Annually**

Monthly fuel usages of natural gas and propane for the Paper Machine Make Up Air Units (4610) are shown for condition 5C.06.3(D) above.

## Title V Permit ID 07 – Chemical Recovery

Condition	Equip ID	Reporting Required?	Reporting Frequency	Comment
07.1(A)	2400, 2402, 2500, 5100	No	N/A	N/A
07.1(B)	2515, 2520, 5115, 5120, 2700, 2701, 2702, & 2703	N/A	N/A	Refers to FW.4
07.1(C)	2700 & 2701 (2725C)	No	N/A	N/A
07.2(A)	2505 & 2723	Yes	Semi-annual	See note below.
07.2(B)	2510 & 5110 (2511C)	Yes	Semi-annual	See note below.
07.3	5105	Yes	Semi-annual	See note below.
07.4(A)	2505	N/A	N/A	Refers to MACT conditions
07.4(B1)	2505	N/A	N/A	Refers to MACT conditions
07.4(B2)	2505	No	N/A	N/A
07.5(A)	2510	N/A	N/A	Refers to MACT conditions
07.5(B1)	2510	N/A	N/A	Refers to MACT conditions
07.5(B2)	2510	No	N/A	N/A
07.6(A)	5105	N/A	N/A	Refers to MACT conditions
07.6(B1)	5105	N/A	N/A	Refers to MACT conditions
07.6(B2)	5105	No	N/A	N/A
07.6(C)	5105	N/A	N/A	Refers to FW.3
07.7(A)	5110	N/A	N/A	Refers to MACT conditions
07.7(B)	5110	N/A	N/A	Refers to MACT conditions
07.8(A)	2723	N/A	N/A	Refers to MACT conditions
07.8(B)	2723	N/A	N/A	Refers to MACT



## 2015 Second Quarter CEM Report Summaries

Condition	Equip ID	Reporting Required?	Reporting Frequency	Comment
				conditions
07.9(A)	2700 & 2701 (2725C)	No	N/A	N/A
07.9(B)	2702 (2726C) & 2703 (2724C)	No	N/A	N/A
07.9(C)	2703 (2724C), 2700 & 2701 (2725C) & 2702 (2726C)	Yes	Semi-annual	See note below.
07.10(A)	5105 & 2723	No	N/A	N/A
07.10(B)	2723	No	N/A	N/A
07.10(C)	5105	No	N/A	N/A
07.10(D1)	2723	N/A	N/A	Refers to FW.2
07.10(D2)	2723	N/A	N/A	Refers to FW.3
07.10(D3)	5105	N/A	N/A	Refers to FW.3
07.11(A)	5105 & 2723	No	N/A	N/A
07.11(B1)	2723	No	N/A	N/A
07.11(B2)	5105	No	N/A	N/A
07.11(C1)	2723	N/A	N/A	Refers to FW.2
07.11(C2)	2723	N/A	N/A	Refers to FW.3
07.11(C3)	5105	N/A	N/A	Refers to FW.3
07.12(A)	5105 & 2723	No	N/A	N/A
07.12(B)	5105 & 2723	Yes	Semi-annual	See note below.
07.12(C1)	2723	N/A	N/A	Refers to FW.2
07.12(C2)	2723	N/A	N/A	Refers to FW.3
07.12(C3)	5105	N/A	N/A	Refers to FW.3
07.13(A)	5260 (5260C)	N/A	N/A	Refers to 02.2
07.13(B)	2400, 2500, 5100, & 5260	N/A	N/A	Refers to 08.7
07.14	2505	Yes	Semi-annual	See note below.
07.15	5105	Yes	Semi-annual	See note below.
07.16(A)	2510	Yes	Semi-annual	See note below.
07.16(B)	5110	Yes	Semi-annual	See note below.
07.17(A)	2723	Yes	Semi-annual	See note below.
07.17(B1)	2723	N/A	N/A	Refers to FW.2
07.17(B2)	2723	N/A	N/A	Refers to FW.3
07.18(A1)	2723	N/A	N/A	See note below.
07.18(A2)	2723	N/A	N/A	Refers to FW.3
07.19	2400, 2700, 2701, 2702, 2723, 5105, 5110, & 5115	N/A	N/A	Refers to FW.1
07.20 & 0.7.21	2400, 2500, & 5100	N/A	N/A	Refer to MACT conditions
07.22	2505, 2110, 2723, 5105, & 5110	N/A	N/A	Refer to MACT conditions

### Condition 07.2(A) Equip IDs 2505 & 2723

**Reporting Frequency: Semi-Annually**

For the purposes of using this report as a cross reference when completing DHEC annual reporting Form 3650, the following information is being included with this report pursuant to DHEC Form 3650:

- The specific permit condition for which exceptions are being noted is 5C.07.2.

## 2015 Second Quarter CEM Report Summaries

- Exceptions descriptions are detailed on the enclosed logs along with dates and times.
- The basis for compliance determinations is operation and recording of continuous opacity data and monitor downtime.
- Cause and corrective actions are detailed on the enclosed logs.

There were no three-hour opacity episodes for the No. 2 Lime Kiln (ID 2723) during the semi-annual reporting period.

There were no three-hour opacity episodes for the No. 2 Recovery Furnace (ID 2505) during the semi-annual reporting period.

A summary is listed below for the continuous opacity monitoring downtime and excess emissions for the reporting period.

### Continuous Opacity Monitoring – No. 2 Recovery Furnace

	1st Quarter	2nd Quarter	Semi-Annual Period
Monitor Downtime	2.38 %	0.38 %	1.34 %
Excess Emission	0.00 %	0.01 %	0.01 %
Overall Compliance	97.62 %	99.61 %	98.65 %

### Continuous Opacity Monitoring – No. 2 Lime Kiln

	1st Quarter	2nd Quarter	Semi-Annual Period
Monitor Downtime	0.55 %	0.51 %	0.53 %
Excess Emission	0.00 %	0.00 %	0.00 %
Overall Compliance	99.45 %	99.49 %	99.47 %

#### Condition 07.2(B) Control Device ID 2511C

**Reporting Frequency: Semi-Annually**

For the purposes of using this report as a cross reference when completing DHEC annual reporting Form 3650, the following information is being included with this report pursuant to DHEC Form 3650:

- The specific permit condition for which exceptions are being noted is 5C.07.2.
- Exceptions descriptions are detailed on the enclosed logs along with dates and times.
- The basis for compliance determinations is operation and recording of continuous opacity data and monitor downtime.
- Cause and corrective actions are detailed on the enclosed logs.

During the reporting period, there were no instances of deviation from the scrubber monitoring ranges. See the enclosed log for details.

#### Condition 07.3 Equip ID 5105

**Reporting Frequency: Semi-Annually**

For the purposes of using this report as a cross reference when completing DHEC annual reporting Form 3650, the following information is being included with this report pursuant to DHEC Form 3650:

- The specific permit condition for which exceptions are being noted is 5.C.07.3.
- Exceptions descriptions are detailed on the enclosed logs along with dates and times.
- The basis for compliance determinations is operation and recording of continuous opacity data and monitor downtime.
- Cause and corrective actions are detailed on the enclosed logs.

## 2015 Second Quarter CEM Report Summaries

There were no three-hour opacity episodes during the semi-annual reporting period.

A summary is listed below for the continuous opacity monitoring downtime and excess emissions for the reporting period.

### Continuous Opacity Monitoring – No. 3 Recovery Furnace

	1st Quarter	2nd Quarter	Semi-Annual Period
<b>Monitor Downtime</b>	0.41 %	0.14 %	0.26 %
<b>Excess Emission</b>	0.28 %	0.00 %	0.12 %
<b>Overall Compliance</b>	99.31 %	99.86 %	99.62 %

#### Condition 07.9(C)

**Control Device IDs 2724C, 2725C, & 2726C**

**Reporting Frequency: Semi-Annually**

For the Slaker Scrubber (ID 2725C), there were no variations of a surrogate monitoring parameters during the semi-annual period.

No abnormal dust emissions were noted on the daily logs for the lime silos baghouses (IDs 2724C and 2726C) during the semi-annual reporting period.

## 2015 Second Quarter CEM Report Summaries

### Condition 07.12(B) Equip IDs 2723 & 5105

**Reporting Frequency: Semi-Annually**

The lime kiln modifications authorized by Construction Permit 2440-0005-DA have not occurred; therefore the requirements of this condition applicable to the No. 2 Lime Kiln (ID 2723) are not yet applicable.

The required data is recorded for the No. 3 Recovery Furnace (ID 5105). A summary is listed below for the continuous emissions monitoring downtime and excess emissions for the reporting period. See the enclosed log for details.

#### Continuous NOx Emissions Monitoring – No. 3 Recovery Furnace

	1st Quarter	2nd Quarter	Semi-Annual Period
Monitor Downtime	0.35 %	1.04 %	0.74 %
Excess Emission	0.00 %	0.00 %	0.00 %
Overall Compliance	99.65 %	98.96 %	99.26 %

### Condition 07.14 Equip ID 2505

**Reporting Frequency: Semi-Annually**

For the purposes of using this report as a cross reference when completing DHEC annual reporting Form 3650, the following information is being included with this report pursuant to DHEC Form 3650:

- The specific permit condition for which exceptions are being noted is 5.C.07.14.
- Exceptions descriptions are detailed on the enclosed logs along with dates and times.
- The basis for compliance determinations is operation and recording of continuous TRS data and monitor downtime.
- Cause and corrective actions are detailed on the enclosed logs.

A summary is listed below for the continuous emissions monitoring downtime and excess emissions for the reporting period. There were no excess emissions in the semi-annual period.

#### Continuous Emissions Monitoring – No. 2 Recovery Furnace

	1st Quarter	2nd Quarter	Semi-Annual Period
Monitor Downtime	0.84 %	4.00 %	2.44 %
Excess Emission	0.00 %	0.00 %	0.00 %
Overall Compliance	99.16 %	96.00 %	97.56 %

## 2015 Second Quarter CEM Report Summaries

### Condition 07.15 Equip ID 5105

**Reporting Frequency: Semi-Annually**

For the purposes of using this report as a cross reference when completing DHEC annual reporting Form 3650, the following information is being included with this report pursuant to DHEC Form 3650:

- The specific permit condition for which exceptions are being noted is 5.C.07.15.
- Exceptions descriptions are detailed on the enclosed logs along with dates and times.
- The basis for compliance determinations is operation and recording of continuous TRS data and monitor downtime.
- Cause and corrective actions are detailed on the enclosed logs.

A summary is listed below for the continuous emissions monitoring downtime and excess emissions for the reporting period.

#### Continuous Emissions Monitoring – No. 3 Recovery Furnace

	1st Quarter	2nd Quarter	Semi-Annual Period
Monitor Downtime	4.10 %	0.73 %	2.35 %
Excess Emission	0.00 %	0.00 %	0.00 %
Overall Compliance	95.90%	99.27 %	97.65 %

### Condition 07.16(A) Equip ID 2510

**Reporting Frequency: Semi-Annually**

For the purposes of using this report as a cross reference when completing DHEC annual reporting Form 3650, the following information is being included with this report pursuant to DHEC Form 3650:

- The specific permit condition for which exceptions are being noted is 5.C.07.16.
- Exceptions descriptions are detailed on the enclosed logs along with dates and times.
- The basis for compliance determinations is operation within surrogate monitoring parameters
- Cause and corrective actions are detailed on the enclosed logs.

During the reporting period, there were no instances of scrubber monitoring range deviation.

### Condition 07.16(B) Equip ID 5110

**Reporting Frequency: Semi-Annually**

For the purposes of using this report as a cross reference when completing DHEC annual reporting Form 3650, the following information is being included with this report pursuant to DHEC Form 3650:

- The specific permit condition for which exceptions are being noted is 5.C.07.16.
- Exceptions descriptions are detailed on the enclosed logs along with dates and times.
- The basis for compliance determinations is operation within surrogate monitoring parameters.
- Cause and corrective actions are detailed on the enclosed logs.

During the reporting period, there were no instances of scrubber monitoring range deviation.

### Condition 07.17(A) Equip ID 2723

**Reporting Frequency: Semi-Annually**

For the purposes of using this report as a cross reference when completing DHEC annual reporting Form 3650, the following information is being included with this report pursuant to DHEC Form 3650:

## 2015 Second Quarter CEM Report Summaries

- The specific permit condition for which exceptions are being noted is 5.C.07.17.
- Exceptions descriptions are detailed on the enclosed logs along with dates and times.
- The basis for compliance determinations is operation and recording of continuous TRS data and monitor downtime.
- Cause and corrective actions are detailed on the enclosed logs.

A summary is listed below for the continuous emissions monitoring downtime and excess emissions for the reporting period.

### Continuous Emissions Monitoring – No. 2 Lime Kiln

	1st Quarter	2nd Quarter	Semi-Annual Period
<b>Monitor Downtime</b>	0.55 %	0.51 %	0.53 %
<b>Excess Emission</b>	0.00 %	0.00 %	0.00 %
<b>Overall Compliance</b>	99.45 %	99.49 %	99.47 %

#### **Condition 07.18(A1) Equip ID 2723**

The lime kiln modifications authorized by Construction Permit 2440-0005-DA have not occurred; therefore the requirements of this condition applicable to the No. 2 Lime Kiln (ID 2723) are not yet applicable. If/when the modifications occur, Facility-Wide condition FW.2 will apply.

## 2015 Second Quarter CEM Report Summaries

### Title V Permit ID 08 – Utilities

Condition	Equip ID	Reporting Required?	Reporting Frequency	Comment
08.1(A)	2550	N/A	N/A	Refers to FW.4
08.1(B)	2605 & 3705	Yes	Quarterly	See below
08.2(A)	2550	N/A	N/A	Refers to FW.4
08.2(B1)	2605 & 3705	Yes	Semi-annual	See note below.
08.2(B2)	2605 & 3705	No	N/A	N/A
08.2(C)	2605 & 3705	No	N/A	N/A
08.3(A)	2550	No	N/A	N/A
08.3(B)	2605 & 3705	No	N/A	N/A
08.4	2550	Yes	Quarterly	Submitted under separate cover
08.5	2605 & 3705	Yes	Annual	Submitted under separate cover
08.6	2605 & 3705	Yes	Semi-annual	See note below.
08.7	2605, 3705, 5260, 5270, & 9820	Yes	Semi-annual	See note below.
08.8	2605, 3705, 5260, 5270, & 9820	N/A	N/A	Refers to MACT conditions

#### Condition 08.1(B) Equip IDs 2605 & 3705

#### Reporting Frequency: Quarterly

For the purposes of using this report as a cross reference when completing DHEC annual reporting form 3650, the following information is being included with this report pursuant to DHEC form 3650:

- The specific permit condition for which exceptions are being noted is 5.C.08.1.
- Exceptions descriptions are detailed on the enclosed logs along with dates and times.
- The basis for compliance determinations is operation and recording of continuous opacity data and monitor downtime.
- Cause and corrective actions are detailed on the enclosed logs.

A summary is listed below for the continuous opacity monitoring monitor downtime and excess emissions for the quarter. The precipitator bypass minutes are also listed below.

## 2015 Second Quarter CEM Report Summaries

### Continuous Opacity Monitoring

	No. 1 Combination Boiler (ID 2605)	No. 2 Combination Boiler (ID 3705)
Monitor Downtime	0.18 %	1.56 %
Excess Emissions	0.00 %	0.06 %
Overall Compliance	99.81 %	98.38 %
Precipitator Bypass	0 minutes	1270 minutes

There were no periods of 3-hour opacity episodes during the quarter for either boiler.

There were no trips of the precipitator for No. 1 Combination Boiler this quarter. The precipitator for No. 2 Combination Boiler was briefly tripped three times within the quarter. Specific details are on the enclosed logs for each boiler.

#### Condition 08.2(B1) Equip IDs 2605 & 3705

**Reporting Frequency: Semi-Annually**

For the purposes of using this report as a cross reference when completing DHEC annual reporting form 3650, the following information is being included with this report pursuant to DHEC form 3650:

- The specific permit condition for which exceptions are being noted is 5.C.08.2.
- Exceptions descriptions are detailed on the enclosed logs along with dates and times.
- The basis for compliance determinations is operation and recording of continuous opacity data and monitor downtime.
- Cause and corrective actions are detailed on the enclosed logs.

A summary is listed below for the continuous opacity monitoring monitor downtime and excess emissions for the semi-annual reporting period. The precipitator bypass minutes are also listed below.

### Continuous Opacity Monitoring

	No. 1 Combination Boiler (ID 2605)	No. 2 Combination Boiler (ID 3705)
Monitor Downtime	1.43 %	2.01 %
Excess Emissions	0.08 %	0.10 %
Overall Compliance	98.48 %	97.88 %
Precipitator Bypass	3440 minutes	4482 minutes

There were no periods of 3-hour opacity episodes during the semi-annual reporting period for the boilers. There was one instance of the No. 1 Combination Boiler precipitator being tripped, and several instances of the No. 2 Combination Boiler precipitator being tripped in this semi-annual period. Specific details are on the enclosed logs for each boiler.

#### Condition 08.6 Equip IDs 2605 & 3705

**Reporting Frequency: Semi-Annually**



## 2015 Second Quarter CEM Report Summaries

Tire-derived fuel (TDF) rate records for the semi-annual reporting period indicate that there were no rates above the 1.5-TPH limit.

### Condition 08.7

**Equip IDs 2605, 3705, 5260, 5270, & 9820**

**Reporting Frequency: Semi-Annually**

For the purposes of using this report as a cross reference when completing DHEC annual reporting Form 3650, the following information is being included with this report pursuant to DHEC Form 3650:

- The specific permit condition for which exceptions are being noted is 5.C.08.7.
- Exceptions descriptions are detailed on the enclosed logs along with dates and times.
- The basis for compliance determinations is positive operation of flame failure system and vent valve position.
- Cause and corrective actions are detailed on the enclosed logs.

During the semi-annual period, there were 17 vents of the low volume high concentration (LVHC) gas system due to a variety of causes including those prompted by freezing temperatures, and seven vents of the high volume low concentration (HVLC) gas system due to process and control/operating problems.

Note: Reports required under 40 CFR Part 60 Subpart S and General Provisions are being submitted separately to the Air Toxics Group. A copy is attached to this report for your review.

### Title V Permit ID 09 – Waste Treatment

Condition	Equip ID	Reporting Required?	Reporting Frequency	Comment
09.1(A)	9800 & 9801	No	N/A	N/A
09.1(B)	2902 through 2905	N/A	N/A	Refers to FW.4
09.2	2902 through 2905	No	N/A	N/A
09.3	2903	Yes	Semi-annual	See note below.
09.4	9801	N/A	N/A	Refers to 08.7
09.5	9801	N/A	N/A	Refers to MACT conditions

### Condition 09.3

**Equip ID 2903**

**Reporting Frequency: Semi-Annually**

Monthly records indicate the No. 1 Holding Basin Pump No. 2 did not operate more than 7000 hours per year.

## 2015 Second Quarter CEM Report Summaries

### Title V Permit ID 10 – Storage Tanks

Condition	Equip ID	Reporting Required?	Reporting Frequency	Comment
10.1	1100	No	N/A	N/A
10.2	1100	No	N/A	N/A

### Title V Permit ID 11 – Miscellaneous

Condition	Equip ID	Reporting Required?	Reporting Frequency	Comment
11.1	2900 & 1000	N/A	N/A	Refer to FW.4

### Facility Wide Conditions

Condition	Equip ID	Reporting Required?	Reporting Frequency	Comment
FW.1	All	No	N/A	N/A
FW.2	2723	Yes	Semi-annual	See note below.
FW.3	2723 & 5105	No	N/A	N/A
FW.4	1300, 2000, 2005, 4600, 4605, 4100, 4110, 9700, 9701A, 9701B, 9702, 9703, 9704, 2000, 4610, 4120, 4130, 9900, 2515, 2520, 5115, 5120, 2700, 2701, 2702, 2703, 2550, 2902, 2903, 2904, 2905, 2900, & 1100	Yes	Semi-annual	See note below.
FW.5	5210, 5240, 2400,	Yes	Semi-annual	See notes below.
FW.6	5100, 5260, 5260C,			
FW.7	2605, & 3705	No	N/A	N/A

## 2015 Second Quarter CEM Report Summaries

### Condition FW.2 Equip ID 2723

Reporting Frequency: Semi-Annually

Lime Kiln production rates are shown below:

Month	Kiln Production TPD	12- Month Rolling Avg
January-14	288	319
February-14	261	313
March-14	192	315
April-14	336	312
May-14	339	312
June-14	385	318
July-14	368	321
August-14	344	321
September-14	382	326
October-14	363	329
November-14	334	327
December-14	323	326
January-15	322	329
February-15	309	333
March-15	165	331
April-15	339	331
May-15	387	335
June-15	390	336

The 12-month rolling sum for lime kiln operation did not exceed the 465-ton per day limit during the reporting period.

### Condition FW.4

Equip IDs 1300, 2000, 2005, 4600, 4605, 4100, 4110,  
9700, 9701A, 9701B, 9702, 9703, 9704, 2000, 4610,  
4120, 4130, 9900, 2515, 2520, 5115, 5120, 2700,  
2701, 2702, 2703, 2550, 2902,  
2903, 2904, 2905, 2900, & 1100

Reporting Frequency: Semi-Annually

Visual emissions inspections were conducted on the sources listed below and the frequencies indicated. There were no incidences of abnormal VE results during the semi-annual reporting period.

### Condition FW.5(A1) Equip ID 5260C

Reporting Frequency: Semi-Annually

Records of liquid flow and liquid pH are maintained. There were no incidences of variances from established parameters during the reporting period.

## 2015 Second Quarter CEM Report Summaries

### **Condition FW.5(A2)**

**Equip IDs 5210, 5240, 2400, 5100,  
5260, 5260C, 2605, & 3705**

**Reporting Frequency: Semi-Annually**

Records of the combination boiler that is combusting NCG streams, the daily bark fired in each combination boiler, and the daily Kraft pulp production are maintained. The daily bark/Kraft pulp production ratio and the 30-day rolling average ratio are calculated. There were no incidences of variances from the minimum level during the reporting period.

### **Condition FW.5(C)**

**Equip IDs 5210, 5240, 2400, 5100,  
5260, 5260C, 2605, & 3705**

**Reporting Frequency: Semi-Annually**

Records of monthly and 12-month rolling sums of SO<sub>2</sub> emissions are maintained. There were no incidences of monthly 12-month sums above the annual SO<sub>2</sub> PSD BACT limit during the reporting period.

### **Condition FW.6**

**Equip IDs 5210, 5240, 2400, 5100,  
5260, 5260C, 2605, & 3705**

**Reporting Frequency: Semi-Annually**

Records of monthly and 12-month rolling average of unbleached pulp production are maintained. There were no incidences of rolling 12-month averages above the production limit during the reporting period.

## 2015 Second Quarter CEM Report Summaries

### Conditions for MACT Affected Sources

Condition	Equip ID	Reporting Required?	Reporting Frequency	Comment
MACT.1(C)	5210, 5220, 5230, 5240, 5250, 2400, 2500, 5100, 2605, & 3705	Yes	Semi-annual	See note below.
MACT.2(A)	5210, 5220, 2400, 2500, 5100, 9800, & 9801	Yes	Semi-annual	See note below.
MACT.3(A)	5300	Yes	Semi-annual	See note below.
MACT.4	5210, 5220, 5230, 5240, 5250, 5300, 2400, 2500, 5100, 2605, 3705, 9800, & 9801	No	N/A	N/A
MACT.5(A2)	2505, 2723, & 5105	Yes	Quarterly	See below
MACT.5(C)	2510 & 5110	Yes	Quarterly	See below
MACT.6	2010 & 4610	Yes	Semi-annual	See note below.
MACT.7	5210, 5220, 5230, 5240, 5250, 5300, 2400, 2500, 2505, 2510, 2723, 5100, 5105, 5110, 9800, & 9801	No	N/A	N/A
MACT.8, MACT.9, & MACT.10	5210, 5220, 5230, 5240, 5250, 5300, 2400, 2500, 2505, 2510, 2723, 5100, 5105, 5110, 2605, 3705, 9800, & 9801	No	N/A	N/A

## **2015 Second Quarter CEM Report Summaries**

### **Condition MACT.1(C)**

**Equip IDs 5210, 5220, 5230, 5240, 5250  
2400, 2500, 5100, 2605, & 3705**

**Reporting Frequency: Semi-Annually**

Excess emissions and CMS downtime were less than 1% and 5% respectively for all systems. See the attached MACT I report for details.

### **Condition MACT.2(A)**

**Equip IDs 5210, 5220, 2400, 2500,  
5100, 9800, & 9801**

**Reporting Frequency: Semi-Annually**

Condensate Collection and Treatment System excess emissions were greater than 1% of the semi-annual period operating time. CMS downtime was less than 5% of operating time. See the attached MACT I report for details.

### **Condition MACT.3(A)**

**Equip ID 5300**

**Reporting Frequency: Semi-Annually**

Excess emissions and CMS downtime were less than 1% and 5% respectively for all systems. See the attached MACT I report for details.

### **Condition MACT.5(A2)**

**Equip IDs 2505, 2723, & 5105**

**Reporting Frequency: Quarterly**

The record of exceedances is provided in the attached MACT II report.

### **Condition MACT.5(C)**

**Equip IDs 2510 & 5110**

**Reporting Frequency: Quarterly**

The record of exceedances is provided in the attached MACT II report.

### **Condition MACT.6**

**Equip IDs 2010 & 4610**

**Reporting Frequency: Semi-Annually**

See the attached POWC MACT report.

## 2015 Second Quarter CEM Report Summaries



Resolute Forest Products – Catawba Mill  
5300 Cureton Ferry Road  
Post Office Box 7  
Catawba, SC 29704-0007

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CONTINUOUS EMISSION MONITOR QUARTERLY REPORT LOG

Combination Boiler No. 1

Reporting Period 4/1/15 to 6/30/15

Permit Conditions 5C.08.1(B), 5C.08.2(B), 5C.08.6, & 5C.08.7  
This report is for incidents of excess opacity (reported in % opacity), opacity monitor downtime or repair, or permit condition exceptions.

Incident No.	Date	Start Time (am or pm)	% Opacity or ppm	Monitor (Check One)				EP Bypass Time	Nature and Cause of Incident	Corrective Action
				OPA	TRS	O2	Duration (Minutes)			
1	4/24/15	10:36 PM	80	x			6		ran out of O2 in boiler	increased air and reduced bark
1	5/21/15	12:30	-	x			240		scheduled preventive maintenance and audit with Environment 360	none
There were no excursion events or downtime during the month of June 2015.										

Based on data provided, reasonable inquiry, and the best of my abilities, I certify that the information contained in this report is accurate and complete.  
Name/Title: Patrick Moore General Manager

Signature: \_\_\_\_\_





Resolute Forest Products – Catawba Mill  
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# CONTINUOUS EMISSION MONITOR SEMI-ANNUAL REPORT LOG

Combination Boiler No. 1

Report Period 1/1/15 to 6/30/15

Permit Conditions 5C.08.1(B), 5C.08.2(B), 5C.08.6, & 5C.08.7

This report is for incidents of excess opacity (reported in % opacity), opacity monitor downtime or repair, or permit condition exceptions.

Incident No.	Date	Start Time (am or pm)	% Opacity or ppm	Monitor (Check One)				EP Bypass Time	Nature and Cause of Incident	Corrective Action
				OPA	TRS	O2	Duration (Minutes)			
1	1/9/15	8:18 PM	80	x			90		oil guns in, wet bark and rocks/dirt covered grate	cut back on fuel
2	1/9/15	10:12 PM	80	x			12		oil guns in, wet bark and rocks/dirt covered grate	cut back on fuel
3	1/9/15	10:48 PM	64	x			12		oil guns in, low header	cut back on fuel
4	1/9/15	11:24 PM	80	x			12			
5	1/23/15	7:38 AM	-	x			457	457	pulled bark out and bypassed EP to repair grates	made repairs to grates
1	2/18/15	1:54 PM	48	x			6		oil buildup in windbox causing air damper malfunction	removed oil, maintenance worked on damper
2	2/20/15	1:18 AM	80	x			18		high mill load	reduced air and changed oil burners
3	2/20/15	4:42 AM	46	x			6			reduced air
4	2/20/15	6:24 AM	54	x			24			
5	2/27/15	9:42 AM	60	x			6		low 850 # header, tried to fire oil but would not light. Burners tripped then purged.	reduced bark, increased burner air, oil burners finally fired and stabilized.
1	3/9/15	7:54 AM	58	x			12		air fields tripped on precipitator	electrician reset fields
2	3/13/15	7:43 AM	-	x			490	490	west grate broken	pulled bark and bypassed EP and maintenance repaired grate
3	3/15/15	7:37 AM	-	x			198	198	pulled bark and bypassed EP to make grate repair	made repair
4	3/19/15	7:48 PM	46	x			6		inlet and middle field decreased load	decreased bark and air flow and put NCGs to #2CB.
5	3/25/15	4:10 AM	-	x			900	900	pulled bark and bypassed EP to make grate repair	made grate repairs
6	3/25/15	8:24 AM	54	x			6		EP fields would not load up	had electrician reset field on precipitator
7	3/26/15	2:55 AM	-	x			1395	1395	EP had a ground, pulled bark and bypassed EP to make repair	electricians replaced insulator
1	4/24/15	10:36 PM	80	x			6		ran out of O2 in boiler	increased air and reduced bark
1	5/21/15	12:30	-	x			240		scheduled preventive maintenance and audit with Environment 360	none
There were no excursion events or downtime during the month of June 2015.										

Based on data provided, reasonable inquiry, and the best of my abilities, I certify that the information contained in this report is accurate and complete.

Name/Title: Patrick Moore General Manager

Signature: \_\_\_\_\_



Resolute Forest Products – Catawba Mill  
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## CONTINUOUS EMISSION MONITOR QUARTERLY REPORT LOG

Combination Boiler No. 2

Reporting Period 4/1/15 to 6/30/15

Permit Conditions 5C.08.1(B), 5C.08.2(B), 5C.08.6, & 5C.08.7

This report is for incidents of excess opacity (reported in % opacity), opacity monitor downtime or repair, or permit condition exceptions.

Incident No.	Date	Start Time (am or pm)	% Opacity or ppm	Monitor (Check One)				EP Bypass Time	Nature and Cause of Incident	Corrective Action
				OPA	TRS	O2	Duration (Minutes)			
1	1/2/15	2:10 AM	-	x			82	89	fire in the hopper	bark out, bypassed EP and washed with firewater
2	1/3/15	6:42 AM	42	x			6		high steam load due to wet bark	cut back on bark
3	1/4/15	6:24 PM	-	x			1486	1486	cleaning out #3 SW hopper due to plugging	pulled bark, bypassed EP and cleaned hopper for repairs
4	1/5/15	9:00 PM	50	x			6		fire in NE EP	pulled bark, bypassed EP and washed with firewater
5	1/5/15	9:11 PM	-	x			46	58		
6	1/7/15	3:33 PM	-	x			72	72	fire in NW hopper	
1	4/1/15	8:25 AM	-	x			55		excessive dirt drift	replaced filters, ran stack set.
2	4/2/15	8:30 AM	-	x			120		monitor getting alarm error	replaced blower filters, cleaned lens, ran cal
3	4/3/15	8:30 AM	-	x			360		failed cal	cleaned lens, ran cal
4	4/10/15	12:20 PM	-	x			47	52	fire in EP	pulled bark, bypassed EP, put fire out
5	4/11/15	3:06 AM	45	x			6		loaded up boiler when TMP went down	adjusted air and fuel
6	4/14/15	11:05 PM	-	x			1095	1095	pulled bark and bypassed EP to perform maintenance on EP	completed maintenance and put EP back in service
7	4/18/15	12:54 AM	41	x			6		TR2 field tripped	reset field and restarted it
8	4/20/15	8:12 AM	51	x			6		inlet field tripped - wet bark	reset field and stacked out wet bark
9	4/22/15	6:12 AM	42	x			6		inlet and middle field tripped	called electrician to reset fields
10	4/22/15	9:06 PM	50	x			6		dirty oil gun	took out and cleaned
11	4/25/15	3:18 AM	44	x			6		lost TR3 field on EP	reset TR3 and got it back online
1	5/21/15	9:30 AM	-	x			210		Scheduled preventive maintenance audit with Environment 360	none
2	5/22/15	8:06 PM	56	x			12		Blowing IK's	Stop blowing IK and reduced bark
3	5/28/15	4:18 PM	45	x			6		Blew #4 IK and could not get it to reverse	IK came out
1	6/1/15	7:54 PM	51	x			6		Belt to hog down, no bark and oil gun air to windbox and beck drive broke	opened beck by hand
2	6/10/15	7:48 PM	43	x			18		blowing IKs	reduced air & bark
3	6/17/15	7:12 AM	-	x			123	123	fire in NE hopper, pulled bark & bypassed EP	washed EP with firewater, restored EP & bark

Based on data provided, reasonable inquiry, and the best of my abilities, I certify that the information contained in this report is accurate and complete.

Name/Title: Patrick Moore General Manager

Signature: \_\_\_\_\_



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# CONTINUOUS EMISSION MONITOR SEMI-ANNUAL REPORT LOG

Combination Boiler No. 2

Report Period 1/1/15 to 6/30/15

Permit Conditions 5C.08.1(B), 5C.08.2(B), 5C.08.6, & 5C.08.7

This report is for incidents of excess opacity (reported in % opacity), opacity monitor downtime or repair, or permit condition exceptions.

Incident No.	Date	Start Time (am or pm)	% Opacity or ppm	Monitor (Check One)				EP Bypass Time	Nature and Cause of Incident	Corrective Action
				OPA	TRS	O2	Duration (Minutes)			
1	1/2/15	2:10 AM	-	x			82	89	fire in the hopper	bark out, bypassed EP and washed with firewater
2	1/3/15	6:42 AM	42	x			6		high steam load due to wet bark	cut back on bark
3	1/4/15	6:24 PM	-	x			1486	1486	cleaning out #3 SW hopper due to plugging	pulled bark, bypassed EP and cleaned hopper for repairs
4	1/5/15	9:00 PM	50	x			6		fire in NE EP	pulled bark, bypassed EP and washed with firewater
5	1/5/15	9:11 PM	-	x			46	58		
6	1/7/15	3:33 PM	-	x			72	72	fire in NW hopper	
7	1/9/15	6:42 PM	41	x			6		wet bark put fire out, put ID fan in manual	reduced bark and oil and put fan back in automatic
8	1/10/15	4:00 AM	-	x			60	60		
9	1/10/15	7:36 AM	77	x			18		load and fan swing	reduced bark and adjusted air
10	1/10/15	8:24 AM	80	x			30			
11	1/10/15	9:36 AM	59	x			12		fire in EP	pulled bark out of boiler and put firewater on EP
12	1/10/15	9:48 AM	-	x			50	65		
13	1/12/15	4:36 PM	44	x			6		atomizing steam valve failed to open on oil burner	took out oil burner
14	1/14/15	12:12 PM	41	x			12		running stack test with boiler at max bark burning rate	temporarily reduced bark
15	1/14/15	2:12 PM	43	x			6			reduced bark and ended stack test
16	1/15/15	6:03 PM	-	x			73	76	fire in NE hopper	pulled bark, bypassed EP, put fire out
17	1/21/15	9:42 AM	47	x			6		boiler testing	reduced bark
18	1/21/15	10:00 AM	41	x			6			reduced bark, increased air flow
19	1/21/15	11:42 AM	44	x			6			
20	1/26/15	11:00 PM	42	x			6		blowing #4 IK from repairs and hopper plugged	cleaned with soot blower
21	1/28/15	10:38 AM	-	x			24	24	fire in NE hopper of #2 EP	pulled bark, actuated fire sytem and washed
22	1/29/15	6:26 AM	-	x			1189	1189	needed to perform maintenance on hopper	pulled bark and performed maintenance
1	2/6/15	2:15 AM	-	x			83	93	fire in hopper - middle east	washed with firewater
2	2/14/15	7:12 AM	42	x			6		blowing IKS	reduced air
3	2/18/15	1:06 AM	42	x			6		wet bark	reduced air and bark and put rappers on EP on walk down mode
4	2/19/15	7:12 AM	63	x			12		two fields tripped	reset fields
5	2/19/15	11:24 AM	56	x			6		heavy bark load	reduced bark and increased air
6	2/20/15	1:30 AM	46	x			6		high load	reduced fuel and air
7	2/20/15	7:18 AM	69	x			6		high load	reduced air
8	2/26/15	2:36 PM	58	x			6		high load and wet bark	
1	3/26/15	8:42 AM	50	x			6		#1CB tripped due to high steam demand and lost TMP steam	adjusted air and fuel
2	3/26/15	9:24 AM	43	x			12		inlet field tripped	electrician replaced fuse
1	4/1/15	8:25 AM	-	x			55		excessive dirt drift	replaced filters, ran stack set.
2	4/2/15	8:30 AM	-	x			120		monitor getting alarm error	replaced blower filters, cleaned lens, ran cal
3	4/3/15	8:30 AM	-	x			360		failed cal	cleaned lens, ran cal
4	4/10/15	12:20 PM	-	x			47	52	fire in EP	pulled bark, bypassed EP, put fire out



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# CONTINUOUS EMISSION MONITOR SEMI-ANNUAL REPORT LOG

Combination Boiler No. 2

Report Period 1/1/15 to 6/30/15

Permit Conditions 5C.08.1(B), 5C.08.2(B), 5C.08.6, & 5C.08.7

This report is for incidents of excess opacity (reported in % opacity), opacity monitor downtime or repair, or permit condition exceptions.

Incident No.	Date	Start Time (am or pm)	% Opacity or ppm	Monitor (Check One)				EP Bypass Time	Nature and Cause of Incident	Corrective Action
				OPA	TRS	O2	Duration (Minutes)			
5	4/11/15	3:06 AM	45	x			6		loaded up boiler when TMP went down	adjusted air and fuel
6	4/14/15	11:05 PM	-	x			1095	1095	pulled bark and bypassed EP to perform maintenance on EP	completed maintenance and put EP back in service
7	4/18/15	12:54 AM	41	x			6		TR2 field tripped	reset field and restarted it
8	4/20/15	8:12 AM	51	x			6		inlet field tripped - wet bark	reset field and stacked out wet bark
9	4/22/15	6:12 AM	42	x			6		inlet and middle field tripped	called electrician to reset fields
10	4/22/15	9:06 PM	50	x			6		dirty oil gun	took out and cleaned
11	4/25/15	3:18 AM	44	x			6		lost TR3 field on EP	reset TR3 and got it back online
1	5/21/15	9:30 AM	-	x			210		Scheduled preventive maintenance audit with Environment 360	none
2	5/22/15	8:06 PM	56	x			12		Blowing IK's	Stop blowing IK and reduced bark
3	5/28/15	4:18 PM	45	x			6		Blew #4 IK and could not get it to reverse	IK came out
1	6/1/15	7:54 PM	51	x			6		Belt to hog down, no bark and oil gun air to windbox and beck drive broke	opened beck by hand
2	6/10/15	7:48 PM	43	x			18		blowing IKs	reduced air & bark
3	6/17/15	7:12 AM	-	x			123	123	fire in NE hopper, pulled bark & bypassed EP	washed EP with firewater, restored EP & bark

Based on data provided, reasonable inquiry, and the best of my abilities, I certify that the information contained in this report is accurate and complete.

Name/Title: Patrick Moore General Manager

Signature: \_\_\_\_\_



Resolute Forest Products – Catawba Mill  
5300 Cureton Ferry Road  
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# CONTINUOUS EMISSION MONITOR SEMI-ANNUAL REPORT LOG

Recovery Boiler No. 3

Report Period 1/1/15 to 6/30/15

Permit Conditions 5.C.07.3, 5.C.07.12, 5.C.15, & MACT.5(A2)

This report is for incidents of excess opacity (reported in % opacity), opacity monitor downtime or repair, or permit condition exceptions.

Incident No.	Date	Start Time (am or pm)	% Opacity or ppm	Monitor (Check One)				Nature and Cause of Incident	Corrective Action
				OPA	TRS	O2	Duration (Minutes)		



Resolute Forest Products – Catawba Mill  
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# CONTINUOUS EMISSION MONITOR SEMI-ANNUAL REPORT LOG

Recovery Boiler No. 3

Report Period 1/1/15 to 6/30/15

Permit Conditions 5.C.07.3, 5.C.07.12, 5.C.15, & MACT.5(A2)

This report is for incidents of excess opacity (reported in % opacity), opacity monitor downtime or repair, or permit condition exceptions.

Incident No.	Date	Start Time (am or pm)	% Opacity or ppm	Monitor (Check One)				Nature and Cause of Incident	Corrective Action
				OPA	TRS	O2	Duration (Minutes)		
1	1/5/15	6:00 AM	38	x			6	rapper broke on west side of EP	reduced air and liquor
2	1/5/15	11:00 AM	avg>20%	x			60	inlet field not loading up	reduced liquor and air
3	1/7/15	5:36 AM	41	x			12	west inlet field tripped	reduced liquor, electrician reset field
4	1/7/15	10:24 AM	40	x			6		put field back on
5	1/7/15	6:06 PM	51	x			12		reduced liquor, electrician reset field
6	1/8/15	8:12 PM	51	x			12		reduced liquor & O2, reset field
7	1/8/15	11:18 PM	45	x			12		reduced liquor and O2
8	1/8/15	11:30 PM	avg>20%	x			150		reduced liquor & O2, reset field
9	1/9/15	7:00 AM	55	x			18	isolating west field of EP	open inlet gate
10	1/9/15	7:18 AM	avg>20%	x			60		
11	1/9/15	8:12 AM	36	x			6		
12	1/9/15	8:24 AM	38	x			6		
13	1/9/15	8:30 AM	avg>20%	x			276		
14	1/9/15	11:36 AM	43	x			12		reduced liquor
15	1/9/15	12:00 PM	41	x			12		open inlet gate
16	1/11/15	5:30 AM	55	x			12	adding second liquor gun	reduced oil and adjusted air
17	1/22/15	7:12 AM	avg>20%	x			60	unknown	reduced air and adjusted dampers
18	1/22/15	9:30 AM	-	x			90	quarterly audit	alignment, cleaned lens, changed filters, cal
19	1/30/15	7:48 AM	42	x			6	bad nozzle on north liquor gun, too much O2	changed nozzle, reduced O2
1	2/2/15	9:18 PM	avg>20%	x			102	running high liquor rate	reduced liquor
2	2/3/15	2:54 AM	38	x			6	inlet field tripped	
3	2/3/15	3:06 AM	avg>20%	x			126		
4	2/3/15	10:36 AM	69				42	adjusting air flow to optimize boiler	put inlet gates in correct position
5	2/3/15	10:48 AM	avg>20%	x			102	adjusting air flow to optimize boiler	put inlet gates in correct position
6	2/5/15	3:12 AM	avg>20%	x			150	closed west inlet gate for major EP maintenance	adjusted air flow, adjusted dampers, opened gate, reduced liquor
7	2/5/15	4:54 AM	57	x			42		
8	2/5/15	5:45 AM	-	x			60	calibration check due to unusual high opacities	checked cal with lens filters, cleaned lenses, no monitor problems found.
9	2/5/15	6:42 AM	avg>20%	x			72	closed west inlet gate for major EP maintenance	adjusted air flow, adjusted dampers, opened gate, reduced liquor
10	2/5/15	6:48 AM	44	x			12		
11	2/5/15	8:06 AM	45	x			18	isolating west side of precipator for maintenance	adjusted air and fuel
12	2/5/15	8:12 AM	avg>20%	x			180	closed west inlet gate for major EP maintenance	adjusted air flow, adjusted dampers, opened gate, reduced liquor
13	2/5/15	8:36 AM	36	x			6	isolating west side of precipator for maintenance	adjusted air and fuel
14	2/5/15	6:00 PM	avg>20%	x			204		
15	2/9/15	1:12 PM	39	x			6	west inlet down	shut down tert fan, reduced liquor flow
16	2/9/15	1:12 PM	avg>20%	x			372		
17	2/10/15	11:54 PM	avg>20%	x			138	west side of EP isolated for repairs	reduced liquor and air
18	2/11/15	12:42 AM	37	x			12	west side of EP isolated - trying to open side door	shut door
19	2/11/15	3:06 AM	avg>20%	x			162	west side of EP isolated	reduced liquor and air
20	2/11/15	10:48 AM	avg>20%	x			198	west side of EP isolated/bypassed for maint	shut down quat fan, reduced air, increased draft pressure
21	2/11/15	6:06 PM	avg>20%	x			72	closing doors on EP	reduced liquor & air



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# CONTINUOUS EMISSION MONITOR SEMI-ANNUAL REPORT LOG

Recovery Boiler No. 3

Report Period 1/1/15 to 6/30/15

Permit Conditions 5.C.07.3, 5.C.07.12, 5.C.15, & MACT.5(A2)

This report is for incidents of excess opacity (reported in % opacity), opacity monitor downtime or repair, or permit condition exceptions.

Incident No.	Date	Start Time (am or pm)	% Opacity or ppm	Monitor (Check One)				Nature and Cause of Incident	Corrective Action
				OPA	TRS	O2	Duration (Minutes)		
22	2/16/15	10:00 AM	41	x			6	west inlet field tripped	pulled liquor gun, called E&I
23	2/16/15	10:12 AM	avg>20%	x			66		
24	2/19/15	8:00 AM	avg>20%	x			126	high load on boiler and west inlet field not loading	reduced air & liquor
25	2/19/15	3:18 PM	avg>20%	x			72		reduced air & liquor, removed auxillary fuel
26	2/20/15	12:54 AM	avg>20%	x			78		reduced air and liquor
27	2/20/15	5:12 PM	-	x			270	quarterly audit	completed
28	2/20/15	12:42 PM	avg>20%	x			66	west inlet would not load up	reduced liquor
There were no excursion events or downtime during the month of March 2015.									
There were no excursion events or downtime during the month of April 2015.									
1	5/21/15	5:30 PM	-	x			150	scheduled preventive maintenance and audit	none
1	6/2/15	5:00 PM	-	x			35	checking monitor for suspected high readings	checked and cleaned lenses, no problems detected

Based on data provided, reasonable inquiry, and the best of my abilities, I certify that the information contained in this report is accurate and complete.

Name/Title: Patrick Moore General Manager

Signature: \_\_\_\_\_





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## CONTINUOUS EMISSION MONITOR SEMI-ANNUAL REPORT LOG

Recovery Boiler No. 3

Report Period 1/1/15 to 6/30/15

Permit Condition 5.C.07.15

This report is for indicated excessive TRS (reported in ppm), monitor downtime or repair (including O2 monitor), or permit condition exceptions.

Incident No.	Date	Start Time (am or pm)	% Opacity or ppm	Monitor (Check One)				Nature and Cause of Incident	Corrective Action
				OPA	TRS	O2	Duration (Minutes)		
1	1/11/15	6:30 AM	-		x		290	failed mrng cal, TRS span drift due to frzn sample line	thawed line, ran init cal
2	1/26/15	8:00 AM	-		x		40	failed morning cal	ran initial cal
3	1/29/15	12:00 AM	8		x		720	unknown	ran calibration, adjusted air flow, followed troubleshooting guidelines but numbers high until beads replaced on 1/30
4	1/30/15	12:30 PM	-		x		90	production requested a monitor check due to erratic readings	changed scrubber beads, filter on stack and ran initial cal
There were no excursion events or downtime during the month of February 2015.									
1	3/2/15	8:00 AM	-		x		350	TRS failed morning cal	rebuilt sample pump and oiled bearings and ran initial cal.
2	3/5/15	9:55 AM	-		x		1759	quarterly audit, upon calibration TRS would not span	rebuilt transport pump, replaced scrubber beads, changed filters, checked flows, unit would not cal, consultant called to monitor stack
1	4/7/15	8:16 AM	-		x		294	failed morning cal	replaced perma pure tubing, sample pump and cleaned orifice and various tubing. Ran initial cal.
1	5/15/15	7:00 AM	-		x		930	failed morning cal	rebuilt pump, replaced scrubber beads and filters, replaced coil on scrubber assembly solenoid.
2	5/19/15	10:00 AM	-		x		210	new air filtration system installed	moved pump upstairs to rack room, changed mother board, ran initial cal
1	6/6/15	4:30 PM	-		x		510	probe alarm - TE malfunction	replaced TE cooler (twice)
2	6/7/15	8:15 AM	-		x		220	failed cal	rebuilt transfer pump, man cal & init cal
3	6/11/15	8:00 AM	-		x		105	failed mrng cal	adjusted rdg, ran mrng cal
4	6/28/15	3:45 PM	-		x		315	zero rdg, O2 reading off scale	checked tubing connections & vacuum venturi, ran init cal

Based on data provided, reasonable inquiry, and the best of my abilities, I certify that the information contained in this report is accurate and complete.

Name/Title: Patrick Moore General Manager

Signature: \_\_\_\_\_





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# CONTINUOUS EMISSION MONITOR SEMI-ANNUAL REPORT LOG

Recovery Boiler No. 2

Report Period 1/1/15 to 6/30/15

Permit Condition 5.C.07.14

This report is for indicated excessive TRS (reported in ppm), monitor downtime or repair (including O2 monitor), or permit condition exceptions.

Incident No.	Date	Start Time (am or pm)	% Opacity or ppm	Monitor (Check One)				Nature and Cause of Incident	Corrective Action
				OPA	TRS	O2	Duration (Minutes)		
1	1/8/15	8:30 AM	-		x		120	probe failed - heat exchanger	ran initial cal, put heat lamp in box
2	1/11/15	6:30 AM	-		x		465	failed mrgn cal, TRS span drift due to frzn sample line	thawed line, ran init cal
3	1/12/15	9:50 AM	-		x		35	TRS span drift warning	ran norm cal
4	1/13/15	12:40 PM	-		x		60	TRS span unreasonable on HW rpt	ran init cal
5	1/29/15	10:10 AM	-		x		195	cal bottle low	replaced cal bottle, performed quarterly maintenance, ran init cal
1	2/3/15	8:30 AM	-		x		640	failed cal, bad cooler	ran init cal, installed new cooler
2	2/6/15	9:30 AM	-		x		210	failed morning cal	ran init cal, replaced O2 cell
3	2/21/15	8:00 PM	-		x		690	O2 won't change from 16.5 and can't get unit to change readings when running cal gases	replaced transfer pump, replaced filter on sample line on stack, checked for leaks on stack
4	2/22/15	7:30 AM	-		x		960		checked for leaks, performed troubleshooting across system
5	2/25/15	10:00 AM	-		x		1440	multiple problems around sample dilution system	disassembled sampling and dilution system, began stack testing at 10 AM 2/26 to generate data
There were no excursion events or downtime during the month of March 2015.									
1	4/29/15	9:40 AM	-		x		35	failed calibration	ran initial cal, system ok
1	5/7/15	8:10 AM	-		x		105	failed morning calibration	checked for leaks, ran initial calibration
2	5/8/15	12:30 PM	-		x		67	cal gas bottle low	replaced cal gas bottle, adjusted PMT voltage, ran initial cal
3	5/12/15	8:00 AM	-		x		120	failed morning calibration	adjusted pmt voltage and ran initial cal
4	5/13/15	8:00 AM	-		x		420	failed calibration	changed PMT voltage to match gas, rebuilt pump, changed all filters, ran initial cal, changed mother board
5	5/16/15	7:00 AM	-		x		180	failed morning calibration	adjusted background coefficients back to factory specs, adjusted PMT voltage and ran initial cal.
There were no excursion events or downtime during the month of June 2015.									

Based on data provided, reasonable inquiry, and the best of my abilities, I certify that the information contained in this report is accurate and complete.

Name/Title: Patrick Moore

General Manager

Signature:

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# CONTINUOUS EMISSION MONITOR SEMI-ANNUAL REPORT LOG

Recovery Boiler No. 2

Report Period 1/1/15 to 6/30/15

Permit Conditions 5.C.07.2(A), 5.C.14, & MACT.5(A2)

This report is for incidents of excess opacity (reported in % opacity), opacity monitor downtime or repair, or permit condition exceptions.

Incident No.	Date	Start Time (am or pm)	% Opacity or ppm	Monitor (Check One)				Nature and Cause of Incident	Corrective Action
				OPA	TRS	O2	Duration (Minutes)		
1	1/6/2015	3:20 AM	-	x			10	monitor out of alignment	realigned monitor
2	1/6/2015	9:12 AM	-	x			72		
3	1/10/2015	10:06 PM	-	x			54		
4	1/11/2015	10:54 AM	-	x			60		
5	1/12/2015	4:55 PM	-	x			5		
6	1/13/2015	3:48 AM	-	x			18		
7	1/15/2015	1:48 AM	-	x			30		
8	1/19/2015	8:50 AM	-	x			20		
9	1/21/2015	4:00 PM	-	x			240	audit	completed audit
10	1/21/2015	10:30 PM	-	x			10	monitor out of alignment	realigned monitor
11	1/22/2015	1:50 PM	-	x			10		
12	1/30/2015	11:36 PM	-	x			46		
13	1/31/2015	2:48 AM	-	x			22		
1	2/2/2015	3:06 AM	-	x			104	out of alignment and lost stack communication	realigned and cycled power on remote panel
2	2/5/2015	8:45 PM	-	x			6	monitor out of alignment	realigned monitor
3	2/5/2015	6:30 AM	-	x			15		
4	2/7/2015	9:32 AM	-	x			8	monitor failed	replaced mother board in head, called factory rep, performed stack set calibration
5	2/13/2015	12:20 PM	-	x			1810		
6	2/16/2015	12:10 PM	-	x			110	monitor out of alignment	realigned monitor
7	2/16/2015	6:12 PM	-	x			18		
8	2/19/2015	3:05 AM	-	x			15		
9	2/21/2015	6:00 PM	-	X			10		
1	3/6/2015	10:40 PM	-	x			75	monitor out of alignment	realigned monitor
2	3/16/2015	12:05 PM	-	x			25	production requested check for low readings	checked alignment and lenses
1	4/17/2015	12:21 AM	76	x			18	3 EP fields (TR1, TR2, TR3) tripped when #2TG started up	pulled 2 liquor guns and added 3 oil burners and electrician reset fields
2	4/23/2015	8:00 AM	-	x			10	out of alignment	realigned monitor
3	4/23/2015	1:10 PM	-	x			10	out of alignment	realigned monitor
4	4/24/2015	8:45 AM	-	x			15	out of alignment	realigned monitor
5	4/25/2015	1:00 AM	-	x			7	out of alignment	realigned monitor
6	4/27/2015	12:53 AM	-	x			7	out of alignment	realigned monitor
1	5/3/2015	5:25 AM	-	x			10	out of alignment	realigned monitor
2	5/4/2015	10:30 AM	-	x			20	out of alignment	realigned monitor
3	5/5/2015	9:35 AM	-	x			10	out of alignment	realigned monitor
4	5/5/2015	2:30 PM	-	x			10	out of alignment	realigned monitor
5	5/9/2015	11:00 AM	-	x			50	sample cooler temp readding high	changed TE cooler module
6	5/9/2015	2:20 PM	-	x			10	out of alignment	realigned monitor
7	5/11/2015	10:42 AM	-	x			13	out of alignment	realigned monitor
8	5/11/2015	2:25 PM	-	x			15	out of alignment	realigned monitor
9	5/17/2015	10:45 AM	-	x			15	out of alignment	realigned monitor



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# CONTINUOUS EMISSION MONITOR SEMI-ANNUAL REPORT LOG

Recovery Boiler No. 2

Report Period 1/1/15 to 6/30/15

Permit Conditions 5.C.07.2(A), 5.C.14, & MACT.5(A2)

This report is for incidents of excess opacity (reported in % opacity), opacity monitor downtime or repair, or permit condition exceptions.

Incident No.	Date	Start Time (am or pm)	% Opacity or ppm	Monitor (Check One)				Duration (Minutes)	Nature and Cause of Incident	Corrective Action
				OPA	TRS	O2				
10	5/17/2015	3:00 PM	-	x				10	out of alignment	realigned monitor
11	5/18/2015	11:00 PM	-	x				15	out of alignment	realigned monitor
12	5/22/2015	10:24 AM	-	x				36	working on monitor	completed work
13	5/22/2015	10:40 PM	-	x				7	out of alignment	realigned monitor
14	5/26/2015	11:12 PM	-	x				8	out of alignment	realigned monitor
1	6/9/2015	1:35 AM	-	x				25	out of alignment	realigned monitor
2	6/9/2015	3:18 AM	-	x				60	out of alignment	realigned monitor
3	6/9/2015	11:18 AM	-	x				17	out of alignment	realigned monitor
4	6/10/2015	1:25 AM	-	x				20	out of alignment	realigned monitor
5	6/10/2015	10:25 AM	-	x				10	out of alignment	realigned monitor
6	6/10/2015	9:50 PM	-	x				10	out of alignment	realigned monitor
7	6/11/2015	8:06 AM	-	x				39	out of alignment	realigned monitor
8	6/11/2015	1:10 PM	-	x				15	out of alignment	realigned monitor
9	6/12/2015	10:20 PM	-	x				10	out of alignment	realigned monitor

Based on data provided, reasonable inquiry, and the best of my abilities, I certify that the information contained in this report is accurate and complete.

Name/Title: Patrick Moore General Manager

Signature: \_\_\_\_\_



Resolute Forest Products – Catawba Mill  
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# CONTINUOUS EMISSION MONITOR SEMI-ANNUAL REPORT LOG

Recovery Boiler No. 3

Report Period 1/1/15 to 6/30/15

Permit Condition 5.C.07.12(B)

This report is for indicated excessive NOx (reported in ppm), monitor downtime or repair (including O2 monitor), or permit condition exceptions.

Incident No.	Date	Start Time (am or pm)	% Opacity or ppm	Monitor (Check One)				Nature and Cause of Incident	Corrective Action
				OPA	TRS	O2	Duration (Minutes)		
1	1/26/15	8:00 AM	-		x		40	failed morning cal, NOx span drift -5.25%	ran init cal
There were no excursion events or downtime during the month of February 2015.									
1	3/5/15	9:55 AM	-		x		320	working on TRS and NOx sampling system (discovered problems during TRS quarterly audit)	rebuilt transport pump, then RB3 went offline for annual outage
There were no excursion events or downtime during the month of April 2015.									
1	5/19/15	10:00 AM	-		x		210	installed new air filtration system	moved pump upstairs to rack room, changed mother board, ran initial cal
1	6/6/15	4:30 PM	-		x		510	probe alarm - TE malfunction	replaced TE cooler (twice)
2	6/7/15	8:15 AM	-		x		220	failed cal	rebuilt transfer pump, man cal & init cal
3	6/11/15	8:00 AM	-		x		105	failed mrng cal	adjusted rdg, ran mrng cal
4	6/28/15	3:45 PM	-		x		315	zero rdg, O2 reading off scale	checked tubing connections & vacuum venturi, ran init cal

Based on data provided, reasonable inquiry, and the best of my abilities, I certify that the information contained in this report is accurate and complete.

Name/Title: Patrick Moore General Manager

Signature: \_\_\_\_\_



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CONTINUOUS EMISSION MONITOR SEMI-ANNUAL REPORT LOG

Lime Kiln No. 2

Report Period 1/1/15 to 6/30/15

Permit Conditions 5.C.07.2(A), 5.C.07.12(B), 5.C.17(A), & MACT.5(A2)  
This report is for incidents of excess opacity (reported in % opacity), opacity monitor downtime or repair, or permit condition exceptions.

Incident No.	Date	Start Time (am or pm)	% Opacity or ppm	Monitor (Check One)				Nature and Cause of Incident	Corrective Action
				OPA	TRS	O2	Duration (Minutes)		
1	1/29/15	2:30 PM	95	x			6	EP tripped causing high opacity	area electrician reset EP
1	2/1/15	9:12 PM	81	x			6	EP tripped	reset EP
2	2/7/15	4:18 PM	41	x			12		
3	2/7/15	5:36 PM	96	x			24	kiln gas analyzer fault tripped EP	E&I mechanic calibrated and reset EP and performed repairs
4	2/7/15	6:00 PM	96	x			24		
5	2/8/15	7:00 AM	96	x			18	EP tripped	reset EP
6	2/15/15	11:12 PM	21	x			6	kiln plugged in chain section	closed damper and reduced fuel
7	2/16/15	1:36 AM	34	x			18		
8	2/27/15	2:42 PM	69	x			18		
9	2/27/15	3:06 PM	61	x			6	E&I working on gas analyzer	replaced gas analyzer
10	2/27/15	4:18 PM	35	x			6		
11	2/28/15	8:06 AM	61	x			6		
12	2/28/15	10:06 AM	66	x			6	working on gas analyzer and EPs tripped	reset EPs
1	3/4/15	9:00 AM	95	x			12	#2 and #3 EP tripped	electrician replaced blown fuses
2	3/23/15	12:40 PM	-	x			130	quarterly audit performed	completed
There were no excursion events or downtime during the month of April 2015.									
1	5/21/15	12:45 PM	-	x			60	quarterly audit performed	none
There were no excursion events or downtime during the month of June 2015.									

Based on data provided, reasonable inquiry, and the best of my abilities, I certify that the information contained in this report is accurate and complete.

Name/Title: Patrick Moore General Manager

Signature: \_\_\_\_\_



Resolute Forest Products – Catawba Mill  
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## CONTINUOUS EMISSION MONITOR SEMI-ANNUAL REPORT LOG

Lime Kiln No. 2

Report Period 1/1/15 to 6/30/15

Permit Conditions 5.C.07.17(A)

This report is for indicated excessive TRS (reported in ppm), monitor downtime or repair (including O2 monitor), or permit condition exceptions.

Incident No.	Date	Start Time (am or pm)	% Opacity or ppm	Monitor (Check One)				Nature and Cause of Incident	Corrective Action
				OPA	TRS	O2	Duration (Minutes)		
1	1/10/15	10:17 AM	-		x		21	failed morning cal	ran init cal
2	1/11/15	3:05 PM	-		x		21	failed morning cal - O2 span drift	ran init cal
3	1/20/15	2:00 PM	-		x		270	quarterly audit	completed with extensive replacements
1	2/16/15	12:10 PM	-		x		110	monitor out of alignment	aligned monitor
1	3/19/15	2:00 PM	-		x		180	failed morning cal	transfer pump failed after start up, replaced pump and motor
2	3/27/15	4:31 PM	-		x		23	production requested calibration	ran init cal
There were no excursion events or downtime during the month of April 2015.									
There were no excursion events or downtime during the month of May 2015.									
There were no excursion events or downtime during the month of June 2015.									

Based on data provided, reasonable inquiry, and the best of my abilities, I certify that the information contained in this report is accurate and complete.

Name/Title: Patrick Moore General Manager

Signature: \_\_\_\_\_



Resolute Forest Products – Catawba Mill  
5300 Cureton Ferry Road  
Post Office Box 7  
Catawba, SC 29704-0007

ID 2605, ID 3705

SIP, NSPS

## CONTINUOUS EMISSION MONITOR SEMI-ANNUAL REPORT LOG

### High Volume Low Concentration Gas System

Report Period 1/1/15 to 6/30/15

Permit Conditions 5.C.08.1(B), 5.C.08.2(B1), 5.C.08.7, & MACT.1(C)

This report is for indicated emissions from the fiberline, pulp washing systems, oxygen delignification, and screening/knotting systems exceeding 5 minutes duration, or permit condition exceptions.

Inci- dent No.	Date	Start Time (am or pm)	HVLC System Leg	Duration (Minutes)	Nature and Cause of Incident	Corrective Action
1	1/2/2015	9:21 AM	Fiberline	27	chip bin belt problems caused level to drop	increased chip bin level back to set point
There were no excursion events or downtime during the month of February 2015.						
1	3/23/2015	6:57 AM	Powerhouse	9	high temp on east side of CB1 tripped HVLC	cooled probe and reset
2	3/26/2015	7:32 PM	Powerhouse	10	switched gases from CB1 to CB2, valve stuck	restored valve
3	3/27/2015	5:54 AM	Powerhouse	6	unknown	reset
4	3/29/2015	11:17 PM	Powerhouse	55	lost control to CB2 burner panel, CB1 offline	electrician restored burner panel
1	4/14/2015	1:59 AM	PH	6	#2 TG tripped and 150# steam header pressure dropped	opened PRVs to raise pressure, reset valve
2	4/18/2015	11:22 AM	PH	8	#2 TG tripped and 150lb header lost pressure	opened PRVs to raise pressure, reset valve
There were no excursion events or downtime during the month of May 2015.						
There were no excursion events or downtime during the month of June 2015.						

Based on data provided, reasonable inquiry, and the best of my abilities, I certify that the information contained in this report is accurate and complete.

Name/Title: Patrick Moore General Manager

Signature:

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## CONTINUOUS EMISSION MONITOR SEMI-ANNUAL REPORT LOG

### Smelt Dissolving Tank Vent Scrubber

ID 2510, ID 5110

SIP, NSPS

Report Period 1/1/15 to 6/30/15

Permit Conditions 5.C.07.2; 07.16(A) & (B); 07.B.MACT.5

This report is for variations outside of surrogate monitoring parameters or permit exception conditions.

Incident No.	Date	Start Time (am or pm)	Parameter	Duration (Minutes)	Nature and Cause of Incident	Corrective Action
			Pump Pressure, Flow, delta P			
There were no excursion events or downtime during the month of January 2015.						
There were no excursion events or downtime during the month of February 2015.						
There were no excursion events or downtime during the month of March 2015.						
There were no excursion events or downtime during the month of April 2015.						
There were no excursion events or downtime during the month of May 2015.						
There were no excursion events or downtime during the month of June 2015.						

Based on data provided, reasonable inquiry, and the best of my abilities, I certify that the information contained in this report is accurate and complete.

Name/Title: Patrick Moore General Manager

Signature: \_\_\_\_\_